

ABSTRACT OF THE DISCLOSURE

A negative electrode for a rechargeable lithium battery which is obtained by sintering under a non-oxidizing atmosphere, in the form of a layer on a surface of a metal foil current collector, an anode mix containing a binder and particles of active material containing silicon and/or a silicon alloy; the negative electrode being characterized in that the metal foil current corrector has projections and recesses on its surface, the projection is shaped to have a recurved side face portion that curves more outwardly as it extends closer to a distal end of the projection, and the binder penetrates into spaces defined by the recurved side face portions.